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ABSTRACT

Data and narrative information on degrees conferred by Connecticut colleges and universities in 1982-1983 are presented. Information is also presented on degrees conferred by discipline, level, gender, and minority status. Trends include the following: 26,712 degrees were conferred in 1982-1983 by Connecticut colleges; the total number of degrees conferred was up in the independent sector but down in the public sector; in comparison to 1981-1982, the number of awards in engineering grew the most, followed by business and management; the largest decline was in education; in the same 1-year period, the discipline showing the largest rate of growth was computer and information sciences; the largest rate of decline was in library science, followed by education; the number of bachelors' degrees conferred declined slightly from 1 year earlier; women received over half of all awards at the master's level and below, and one-third of all degrees at the doctorate and first-professional levels; minority students received 6.3 percent of all awards in 1982-1983, up from 5.6 percent in 1980-1981; and minorities were best represented at the first-professional level, receiving 8.2 percent of all such awards in 1982-1983. (SW)

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Report

Research Report R-1-84
February 1984

Board of Governors for Higher Education
Department of Higher Education
State of Connecticut

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DEGREES CONFERRED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION 1982-83

HIGHLIGHTS

- 26,712 degrees were conferred by Connecticut institutions of higher education in 1982-83.[1] The number of awards rose through 1973-74 and has since stabilized between 26,000 and 27,000 awards (page 2).
- The total number of degrees conferred was up in the independent sector (+213) but down in the public sector (-439)[2] (page 4).
- In comparison to 1981-82, the number of awards in engineering grew the most (+126), followed by business and management (+115). The largest decline was in education (-432) (page 6).
- In the same one-year period, the discipline showing the largest rate of growth was computer and information sciences (+34.4%). The largest rate of decline was in library science (-23.3%), followed by education (-13.9%) (page 6).
- The number of bachelor's degrees conferred (13,312) declined slightly (-0.6%) from one year earlier (page 2). The decline in bachelor's degrees conferred in education continued, as did growth in awards in business and management (pages 9, 10).
- Women received over half of all awards at the master's level[3] and below, and one-third of all degrees at the doctorate and first-professional levels (pages 13, 14).
- Minority students received 6.3 percent of all awards in 1982-83, up from 5.6 percent in 1980-81. Minorities were best represented at the first-professional level, receiving 8.2 percent of all such awards in 1982-83 (pages 15, 16).

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[1] Source: HEGIS form 2300-2.1 for the years 1973-74 to 1982-83. Annual degrees conferred data cover a period from July 1 to June 30.

[2] Associates degrees in liberal arts and sciences/general studies awarded by Mohegan Community College to program completers at the U.S. Submarine Base (Navy Campus for Achievement) in Groton (459) were included for the first time in 1982-83. They are footnoted wherever their inclusion distorts comparisons. In this instance, they are excluded.

[3] Throughout this report, the master's level includes Sixth Year Certificates and all other intermediate post-baccalaureate awards.

HE017 058

61 Woodland Street
Hartford, Connecticut 06105

(203) 566-3640

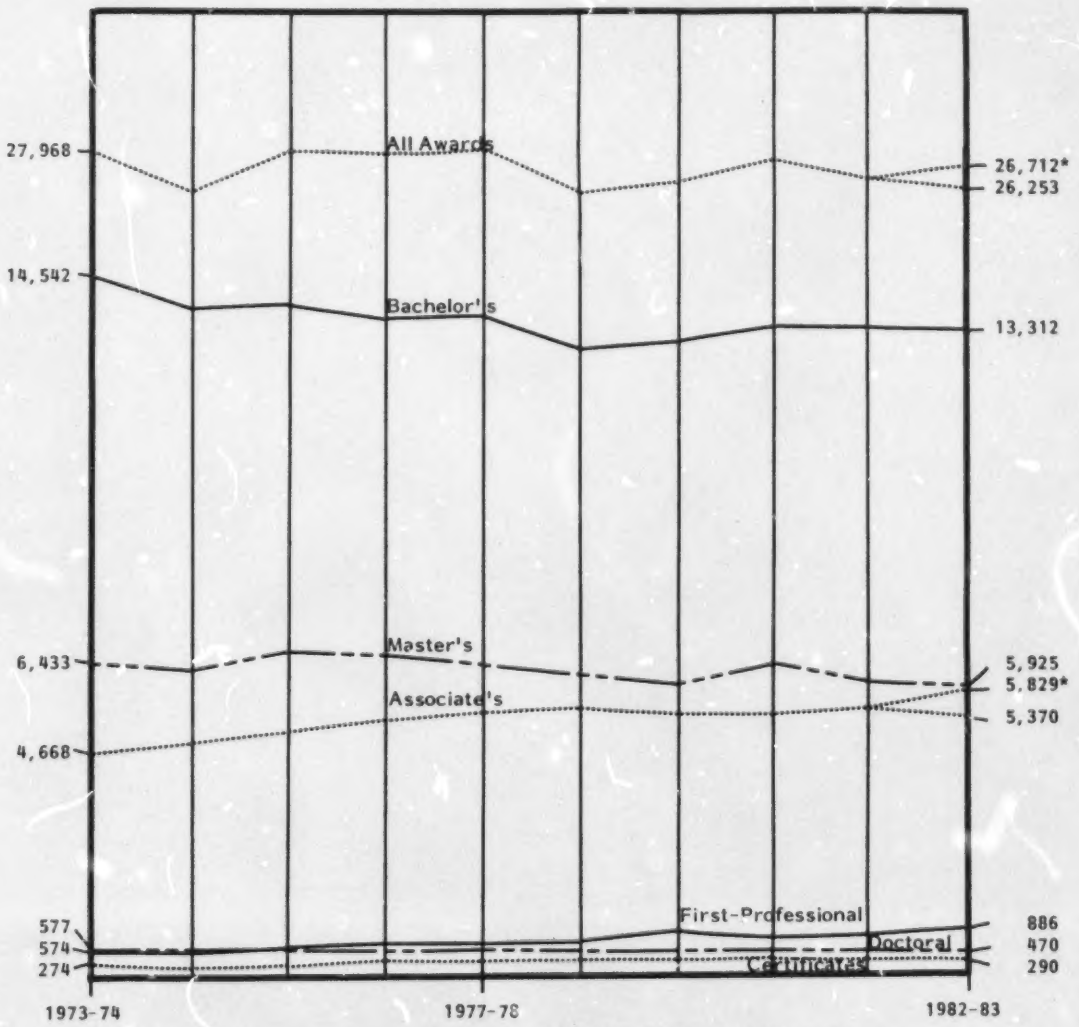
I. OVERVIEW

Figure 1 shows the ten-year trend in awards by degree level. Table 1 shows awards by institution for 1982-83. Half of all degrees (49.8%) were awarded at the bachelor's level. Awards at the master's level constituted 22.2 percent of degrees conferred and another 21.8 percent were at the associates level. Certificates greater than one year but below associates, doctoral degrees and first-professional degrees together represented only 6.2 percent of all awards in 1982-83.

FIGURE 1

DEGREES CONFERRED BY CONNECTICUT INSTITUTIONS
OF HIGHER EDUCATION BY LEVEL

1973-74 TO 1982-83



*Includes 459 associates degrees awarded by Mohegan Community College to program completers at the U.S. Submarine Base (Navy Campus for Achievement) in Groton and reported for the first time in 1982-83.

TABLE 1

DEGREES CONFERRED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION BY INSTITUTION AND LEVEL IN 1982-83 AND PERCENT CHANGE FROM 1981-82

	CERTIFICATES ONE YEAR OR MORE	ASSOCIATES	BACHELOR'S	MASTER'S	DOCTORAL	FIRST-PROFESSIONAL	TOTAL	PERCENT CHANGE FROM 1981-82
INDEPENDENT INSTITUTIONS								
Four-Year National*								
Connecticut College	0	0	444	32	0	0	476	+ 2.4%
Trinity College	0	0	432	32	0	0	464	- 10.4%
Wesleyan University	0	0	622	110	22	0	754	+ 2.9%
Yale University	0	0	1231	1228	281	390	3130	+ 2.0%
TOTAL	0	0	2729	1402	303	390	4824	+ 0.8%
Four-Year Regional								
Albertus Magnus College	0	3	78	0	0	0	81	- 30.2%
Bridgeport Engineering Institute	0	2	41	0	0	0	43	+ 43.3%
Educational Center for Human Dev.	0	0	0	6	0	0	6	+500.0%
Fairfield University	0	0	671	277	0	0	948	- 7.5%
Hartford Graduate Center	0	0	0	449	0	0	449	+ 15.1%
Hartford Seminary Foundation	0	0	0	0	4	0	4	- 55.6%
Holy Apostles College	0	0	11	2	0	0	21	- 40.0%
Paier College of Art, Inc.	9	12	25	0	0	0	46	+283.3%
Post College	3	160	109	0	0	0	272	- 5.9%
Quinnipiac College	0	198	455	25	0	0	678	+ 13.2%
Sacred Heart University	0	162	368	70	0	0	600	+ 11.1%
St. Alphonsus College	0	0	8	0	0	0	8	- 20.0%
St. Basil's College	0	0	1	0	0	0	1	N.C.
St. Joseph College	0	0	178	93	0	0	271	- 11.1%
University of Bridgeport	5	183	575	349	1	176	1289	+ 15.7%
University of Hartford	0	138	967	408	3	0	1516	- 2.9%
University of New Haven	0	98	582	438	0	0	1118	N.C.
TOTAL	17	956	4885	2177	8	184	7351	+ 2.7%
Two-Year Independent								
Briarwood College	16	130	0	0	0	0	146	- 12.6%
Hartford College for Women	0	55	0	0	0	0	55	- 3.5%
Katharine Gibbs School, Inc.	0	20	0	0	0	0	20	+ 17.6%
Mitchell College	0	160	0	0	0	0	160	N.C.
Mt. Sacred Heart College	0	2	0	0	0	0	2	N.C.
TOTAL	16	367	0	0	0	0	383	- 5.0%
TOTAL, Independent Institutions	33	1323	6738	3579	311	574	12558	+ 1.7%
PUBLIC INSTITUTIONS								
University of Connecticut								
Storrs and Regional Campuses	34	0	2889	1180	159	187	4449	+ 0.5%
UConn Health Center	5	0	0	0	0	125	125	- 7.4%
TOTAL	39	0	2889	1180	159	312	4574	+ 0.3%
Connecticut State University								
Central	0	0	1310	360	0	0	1670	- 5.0%
Eastern	0	13	487	74	0	0	574	+ 10.2%
Southern	0	7	1017	581	0	0	1605	- 22.0%
Western	0	37	562	151	0	0	750	+ 5.8%
TOTAL	0	57	3376	1168	0	0	4599	- 8.8%
Regional Community Colleges								
Asnuntuck	0	118	0	0	0	0	118	+ 6.3%
Greater Hartford	1	227	0	0	0	0	228	- 18.9%
Housatonic	12	132	0	0	0	0	144	- 19.6%
Manchester	0	660	0	0	0	0	660	- 6.8%
Mattatuck	10	395	0	0	0	0	405	- 9.0%
Middlesex	0	289	0	0	0	0	289	+ 1.8%
Mohegan	9	729	0	0	0	0	738	+210.1%
Mohegan (adjusted)**		(270)**					(279)**	(+ 17.2%)**
Northwestern Connecticut	0	187	0	0	0	0	187	+ 3.9%
Norwalk	10	263	0	0	0	0	273	- 10.5%
Quinebaug Valley	3	79	0	0	0	0	82	- 2.4%
South Central	1	175	0	0	0	0	176	- 13.7%
Tunxis	75	200	0	0	0	0	275	+ 25.0%
TOTAL	121	3454	0	0	0	0	3579	+ 10.4%
TOTAL (adjusted)**		(2995)**					(3116)**	(- 0.2%)**
State Technical Colleges								
Greater New Haven	39	89	0	0	0	0	128	+ 33.6%
Hartford	0	218	0	0	0	0	218	+ 6.3%
Norwalk	0	193	0	0	0	0	193	+ 3.8%
Thames Valley	48	183	0	0	0	0	231	+ 11.0%
Waterbury	15	209	0	0	0	0	224	+ 10.9%
TOTAL	102	892	0	0	0	0	994	+ 10.6%
Charter Oak College	0	103	148	0	0	0	251	+ 8.2%
TOTAL, State Institutions	257	4506	6413	2346	159	312	13993	+ 0.1%
TOTAL, State Institutions (adjusted)**		(4047)**					(13534)**	(- 3.2%)**
U.S. Coast Guard Academy	0	0	161	0	0	0	161	+ 3.2%
TOTAL, Public Institutions	257	4506	6574	2346	159	312	14154	+ 0.1%
TOTAL, Public Institutions (adjusted)**		(4047)**					(13695)**	(- 3.1%)**
TOTAL, All Institutions	290	5829	13312	5925	470	886	26712	+ 0.9%
TOTAL, All Institutions (adjusted)**		(5370)**					(26253)**	(- 0.8%)**

*A four-year independent institution is defined as a "national" institution if more than 65 percent of the full-time undergraduates are from out-of-state and total enrollment exceeds 300 students. The remaining four-year independent institutions are defined as "regional" institutions.

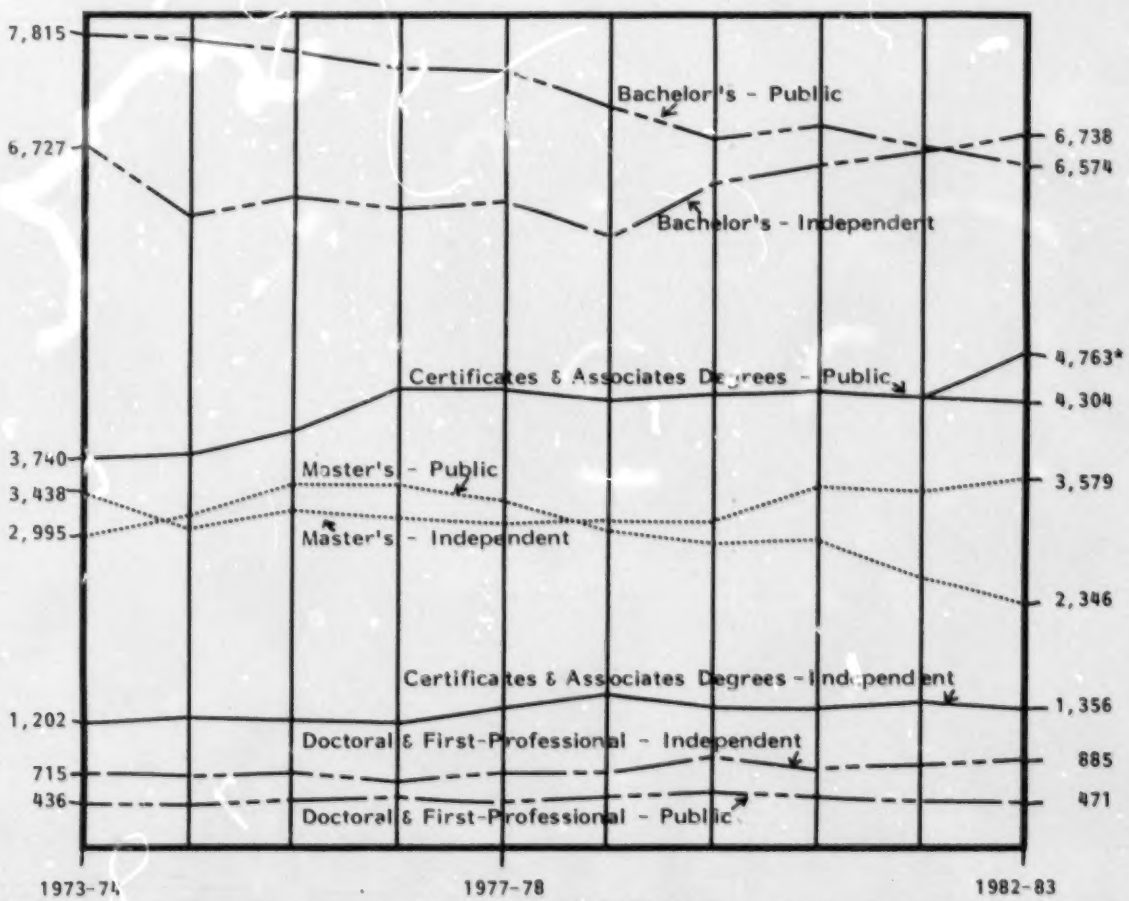
**Out of the 738 awards made by Mohegan Community College in 1982-83, 459 were made to program completers at the U.S. Submarine Base (Navy Campus for Achievement) in Groton, the first year such awards were reported. Controlling for these degrees, the percent change for Mohegan Community College is +17.2 percent (instead of +210.1%). The percent change for the Regional Community Colleges is -0.2 percent (instead of +10.4%). The percent change for Total, State Institutions and for Total, Public Institutions is -3.2 and -3.1 percent, respectively (instead of +0.1 for each), while the percent change for Total, All Institutions is -0.8 percent (instead of +0.9%).

Figure 2 shows the ten-year trend in the distribution of degrees awarded by the public and independent sectors. The two sectors award a similar number of degrees at the bachelor's level, although the number of awards in the independent sector surpassed those in the public sector in 1982-83. The gap between the number of awards in each of the sectors is continuing to widen at the master's level and, to a lesser extent, at the doctoral and first-professional levels. At the certificates and associates levels, 77.8 percent of such awards were made by the public sector in 1982-83. The public sector continues to carry the major responsibility for two-year programs in Connecticut.

FIGURE 2

DEGREES CONFERRED BY CONNECTICUT PUBLIC AND INDEPENDENT INSTITUTIONS OF HIGHER EDUCATION

1973-74 TO 1982-83



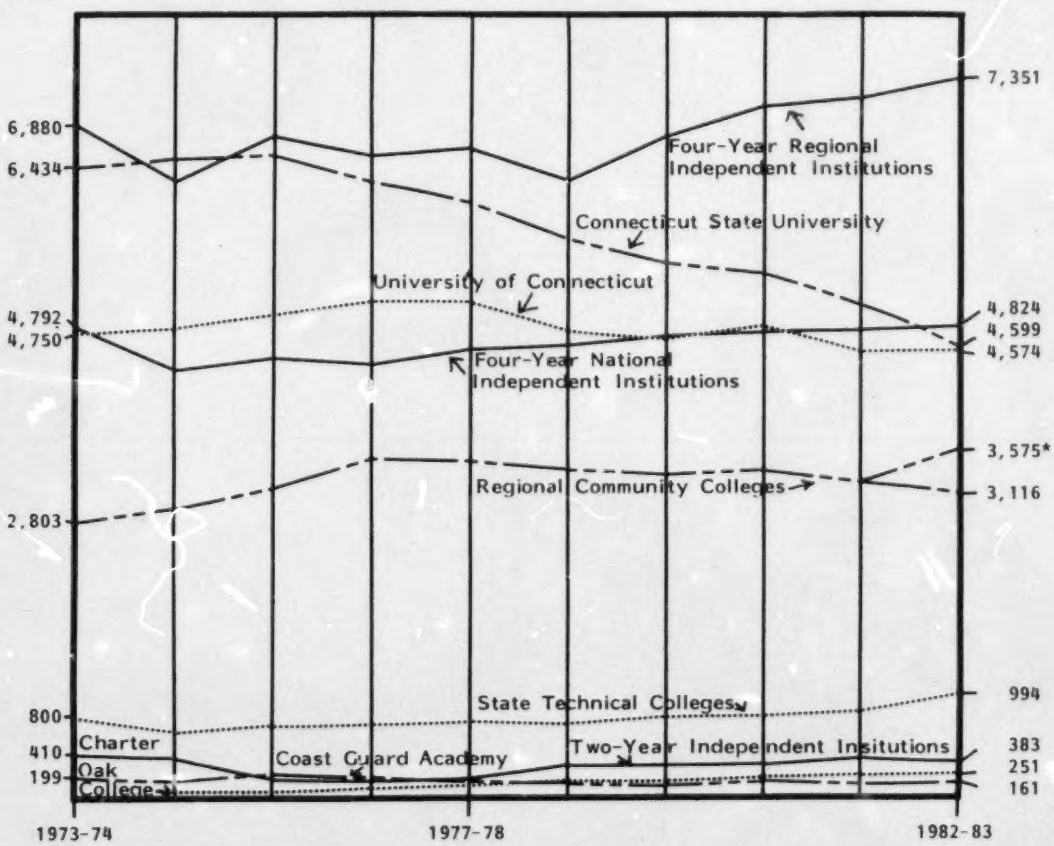
*Includes 459 associates degrees awarded by Mohegan Community College to program completers at the U.S. Submarine Base (Navy Campus for Achievement) in Groton and reported for the first time in 1982-83.

Figure 3 shows the ten-year trend in degrees conferred by type of institution. At four-year institutions, the total number of awards in 1982-83 increased in the independent sector, declined at the Connecticut State University and remained stable at the University of Connecticut. The number of degrees conferred by Charter Oak College, the public agency responsible for awarding external degrees, has increased slowly every year from 1974-75, the first year it conferred degrees. At the two-year institutions, the number of awards declined slightly in the independent sector and rose at the state technical colleges. The number of awards at the regional community colleges also rose (+336), due to the first-time inclusion of degree recipients at the U.S. Submarine Base (Navy Campus for Achievement) in Groton (459). By excluding these awards, the regional community colleges actually experienced a decline (-123) in the number of awards. The four-year regional independent institutions continued to award the most degrees, 27.5 percent of all awards in 1982-83, followed for the first time by the four-year national independent institutions (18.1%). The Connecticut State University had previously awarded the second highest number of degrees.

FIGURE 3

DEGREES CONFERRED BY CONNECTICUT INSTITUTIONS
OF HIGHER EDUCATION BY TYPE OF INSTITUTION

1973-74 TO 1982-83



*Includes 459 associates degrees awarded by Mohegan Community College to program completers at the U.S. Submarine Base (Navy Campus for Achievement) in Groton and reported for the first time in 1982-83.

II. AWARDS BY DISCIPLINE

Table 2 summarizes changes in the total number of awards at all levels by discipline from 1981-82 to 1982-83. The number of awards in arts and science (+318) appears to have increased the most, yet this was due to the first-time inclusion of 459 awards made to program completers at the U.S. Submarine Base. Exclusion of these awards results in a net decline (-141). Disciplines showing gains include engineering (+126), business and management (+115) and law (+108). The largest declines were in education (-432), arts and science (-141, excluding awards at the U.S. Submarine Base), the social sciences (-120) and psychology (-88). In terms of percent change from the previous year, programs in computer and information sciences as well as in data processing had the largest increase (+34.4% and +22.3%), while the largest rate of decline was in library science (-23.3%), followed by education (-13.9%).

TABLE 2

DEGREES CONFERRED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION BY DISCIPLINE IN 1982-83 AND CHANGE FROM 1981-82

Disciplines	1982-83	1981-82	Change	Percent Change
Agriculture and Natural Resources, General	219	238	- 19	- 8.0%
Architecture and Environmental Design	92	88	- 4	- 4.3%
Area Studies	219	224	- 5	- 2.2%
Biological Sciences	839	856	- 17	- 2.0%
Business and Management	4630	4515	+115	+ 2.5%
Communications	394	359	+ 35	+ 9.7%
Computer and Information Sciences	406	302	+104	+34.4%
Education	2683	3115	-432	-13.9%
Engineering	1289	1163	+126	+10.8%
Fine and Applied Arts	912	857	+ 55	+ 6.4%
Foreign Languages	283	262	+ 21	+ 8.0%
Health Professions	1343	1304	+ 39	+ 3.0%
Home Economics	192	192	N.C.	N.C.
Law	603	495	+108	+21.8%
Letters	1079	1145	- 66	- 5.8%
Library Science	69	90	- 21	-23.3%
Mathematics	242	257	- 15	- 5.8%
Physical Sciences	415	408	+ 7	+ 1.7%
Psychology	870	958	- 88	- 9.2%
Public Affairs and Services	612	637	- 25	- 3.9%
Social Sciences	2221	2341	-120	- 5.1%
Theology	195	193	+ 2	+ 1.0%
Interdisciplinary Studies	578	518	+ 60	+11.6%
Master of Philosophy	208	207	+ 1	+ 0.5%
Arts and Science or General Programs	1924*	1606	+318*	+19.8%*
Business and Commerce Technologies	1673	1700	- 27	- 1.6%
Data Processing Technologies	477	390	+ 87	+22.3%
Health Services and Paramedical Technologies	727	708	+ 19	+ 2.7%
Mechanical and Engineering Technologies	747	745	+ 12	+ 0.3%
Natural Science Technologies	71	73	- 2	- 2.7%
Public Service Related Technologies	500	533	- 33	- 6.2%
TOTAL	26712*	26479	+233*	+ 0.9%*

*Includes 459 associates degrees awarded to program completers at the U.S. Submarine Base (Navy Campus for Achievement) in Groton and reported for the first time in 1982-83. The adjusted change for this discipline therefore is -141 or -15.4 percent (instead of +318 or +19.8%). The total change for all disciplines is -226 or -0.8 percent (instead of +233 or +0.9%).

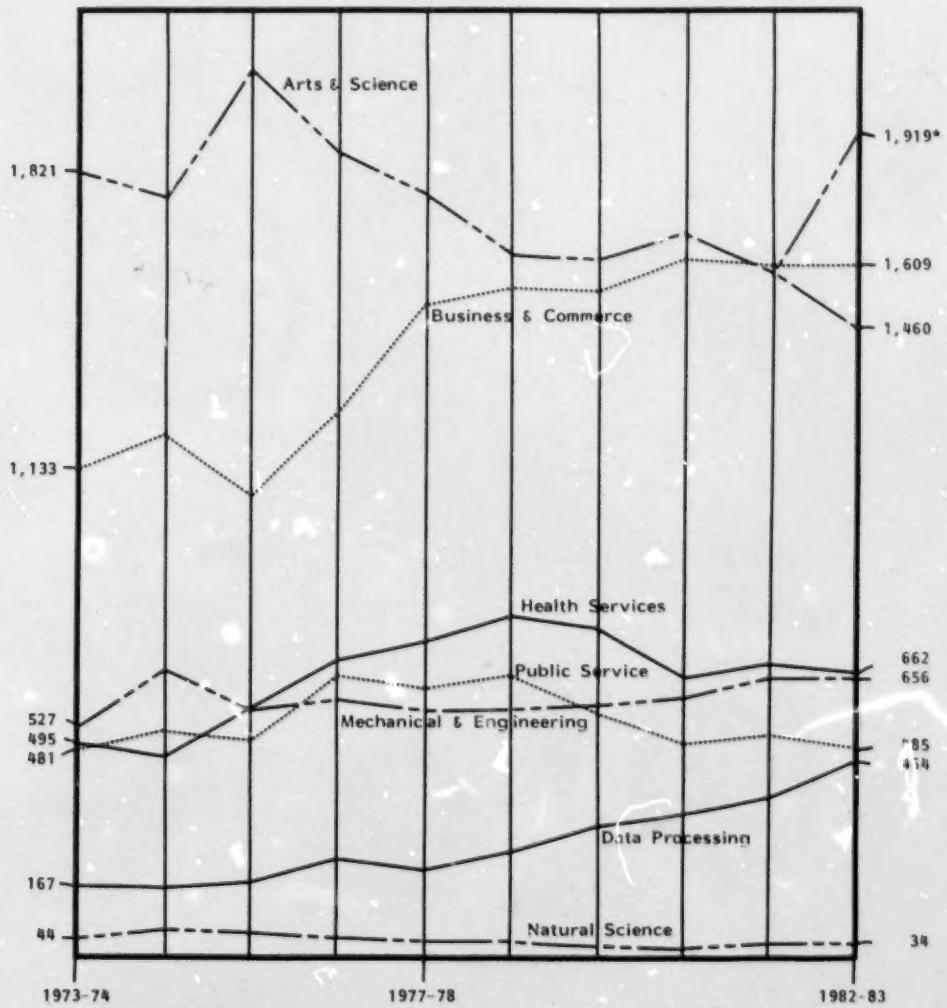
Associates Degrees

Figure 4 shows the trend in associates degrees by discipline. Arts and science is the traditional transfer degree. The number of degrees conferred in this discipline increased from 1,590 in 1981-82 to 1,919 in 1982-83. This increase is attributable, however, to the fact that Mohegan Community College began reporting associates degrees awarded to program completers at the U.S. Submarine Base in Groton (459 awards). Excluding these awards, the total number of associates degrees awarded actually declined (-98), as did the number of associates degrees awarded in arts and science (-141).

FIGURE 4

ASSOCIATES DEGREES AWARDED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION BY DISCIPLINE

1973-74 TO 1982-83



*Includes 459 associates degrees awarded by Mohegan Community College to program completers at the U.S. Submarine Base (Navy Campus for Achievement) in Groton and reported for the first time in 1982-83.

Arts and science degrees represented 32.9 percent of all associates degrees in 1982-83 (25.0% when awards at the U.S. Submarine Base are excluded), compared to 38.0 percent in 1973-74. The number of associates degrees awarded in health services has declined since 1978-79 while those in public service have fluctuated in recent years, after rising early in the decade. The number of awards in business and commerce has increased steadily during the past ten years while awards in mechanical and engineering technologies have remained stable. Awards in data processing technologies have increased consistently since 1974-75 but still represent only a small proportion of associates degrees (8.0% in 1982-83). Data processing was the only discipline at the associates degree level to exhibit an increase in the number of awards (+89) between 1981-82 and 1982-83.

In 1982-83, 59.2 percent of all associates degrees were awarded by the regional community colleges, 16.4 percent by the four-year regional independent institutions, and another 15.3 percent by the state technical colleges (Table 3). In 1982-83, the regional community colleges awarded 79.4 percent of associates degrees in arts and science, 63.9 percent of degrees in business and commerce, 60.9 percent of degrees in health services and 63.3 percent of degrees in public service. The state technical colleges conferred the majority of awards in data processing (59.3%) and mechanical and engineering technologies (87.5%) in that same year.

TABLE 3

ASSOCIATES DEGREES AWARDED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION BY TYPE OF INSTITUTION AND DISCIPLINE FOR SELECTED YEARS

	Regional Community Colleges				State Technical Colleges				Two-Year Independent Institutions**			
Discipline	73-74	77-78	81-82	82-83	73-74	77-78	81-82	82-83	73-74	77-78	81-82	82-83
Arts and Science	1354	1345	1161	1523*	-	-	-	-	255	192	82	88
Business and Commerce	750	915	1012	1028	-	34	29	31	134	351	171	186
Data Processing	45	54	132	164	118	134	223	275	-	-	-	-
Health Services	224	476	446	403	-	-	-	-	-	-	39	33
Mechanical and Engineering	-	4	3	1	488	498	536	574	-	-	10	5
Natural Sciences	9	38	21	28	-	-	-	-	-	-	13	6
Public Service	386	462	346	307	3	39	17	12	21	43	53	49
TOTAL, ALL DISCIPLINES	2768	3294	3121	3454*	609	705	805	892	410	586	368	367

	Connecticut State University				Charter Oak College				Four-Year Regional Independent Institutions**			
Discipline	73-74	77-78	81-82	82-83	73-74	77-78	81-82	82-83	73-74	77-78	81-82	82-83
Arts and Science	59	52	66	53	-	57	99	103	153	120	182	152
Business and Commerce	30	-	-	-	-	-	-	-	219	219	397	364
Data Processing	-	-	-	-	-	-	-	-	4	11	20	25
Health Services	-	-	-	-	-	-	-	-	271	263	198	226
Mechanical and Engineering	-	-	-	-	-	-	-	-	39	78	107	76
Natural Sciences	-	-	-	-	-	-	-	-	35	-	1	-
Public Service	-	3	1	4	-	-	-	-	71	69	103	113
TOTAL, ALL DISCIPLINES	89	55	67	57	-	57	99	103	792	760	1008	956

*Includes 459 associates degrees awarded by Mohegan Community College to program completers at the U.S. Submarine Base (Navy Campus for Achievement) in Groton and reported for the first time in 1982-83.

**Post (Junior) College became a four-year institution in 1975; Briarwood College (a two-year institution) was accredited in 1978.

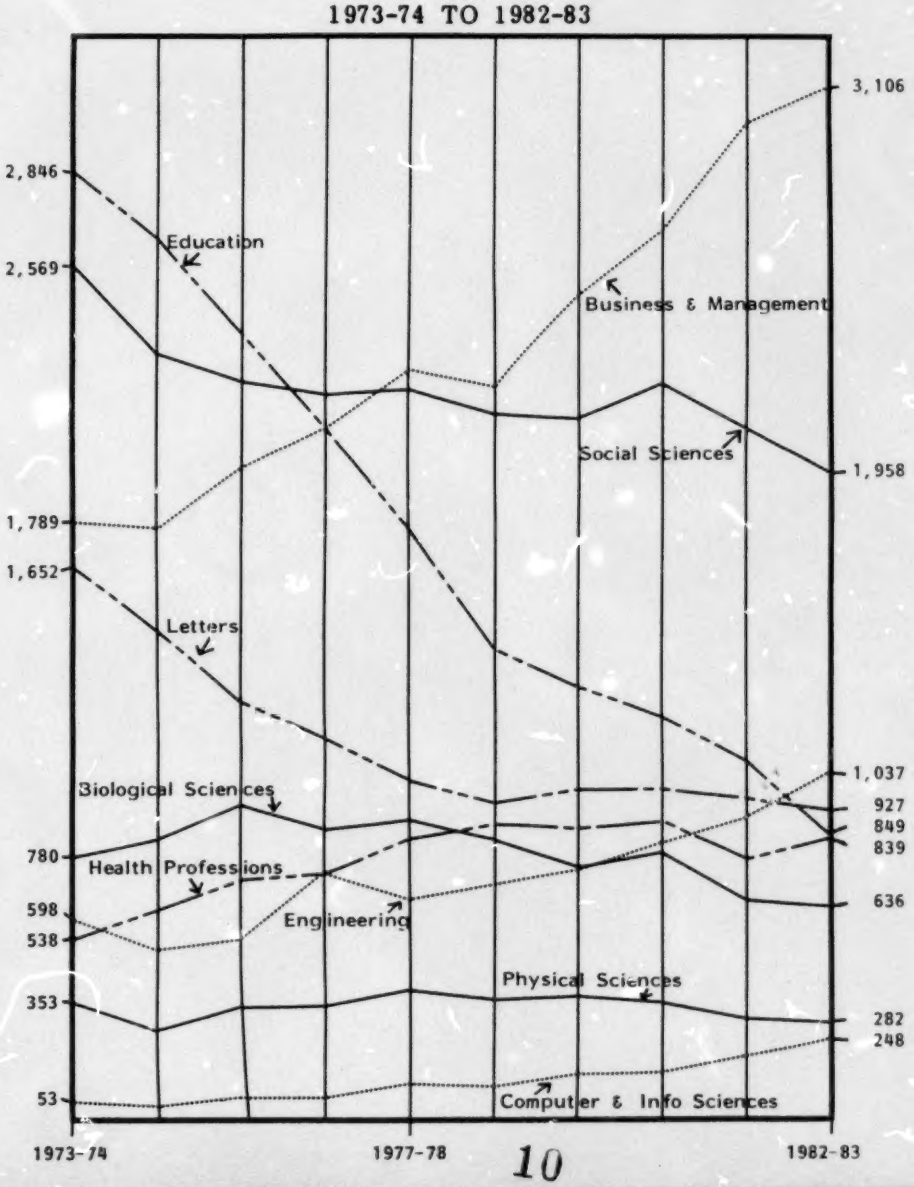
Bachelor's Degrees

Figure 5 shows the trend in degrees conferred at the bachelor's level in selected disciplines. The most significant trend over the ten-year period is the persistent decline in the number of education degrees conferred and the concomitant increase in the number of business and management degrees. The peak year for bachelor's degrees in education was 1971-72 when 3,270 awards were made, more than in any other discipline. By 1982-83, only 849 bachelor's degrees in education were awarded, a decline of 74.0 percent from the peak year. Between 1981-82 and 1982-83, the number of such degrees fell by 221, or 20.6 percent. Education is now ranked fifth in terms of the number of bachelor's degrees awarded.

FIGURE 5

BACHELOR'S DEGREES AWARDED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION IN SELECTED DISCIPLINES

1973-74 TO 1982-83



Student demand for programs in business and management continues to flourish with 3,106 awards in 1982-83, up 122 from the previous year. The number of degrees in engineering increased by 132, the largest increase at the bachelor's level in 1982-83.

Table 4 compares the number of bachelor's degrees conferred in several disciplines by type of institution for selected years. At each type of institution, the shift from education to business and management is apparent (excluding the four-year national independent institutions which have no education programs at the bachelor's level).

TABLE 4

BACHELOR'S DEGREES AWARDED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION BY TYPE OF INSTITUTION AND SELECTED DISCIPLINE FOR SELECTED YEARS

	University of Connecticut				Connecticut State University				Charter Oak College			
Discipline	73-74	77-78	81-82	82-83	73-74	77-78	81-82	82-83	73-74	77-78	81-82	82-83
Business and Management	419	609	603	590	357	591	977	1070	-	-	-	-
Education	292	176	127	99	2015	1281	796	640	-	-	-	-
Engineering	179	225	281	309	24	73	142	141	-	-	-	-
Health Professions	294	343	228	292	91	155	147	147	-	-	-	-
Letters	351	216	231	227	353	207	147	118	-	-	-	-
Social Sciences	518	429	367	395	678	540	374	314	-	-	-	-
Total, All Other	1175	1245	1041	977	870	1136	955	946	-	56	133	148
TOTAL, ALL DISCIPLINES	3228	3243	2878	2889	4388	3983	3538	3376	-	56	133	148

	U.S. Coast Guard Academy				Four-Year National Independent Institutions				Four-Year Regional Independent Institutions*			
Discipline	73-74	77-78	81-82	82-83	73-74	77-78	81-82	82-83	73-74	77-78	81-82	82-83
Business and Management	40	32	30	9	-	43	26	2	952	986	1348	1425
Education	-	-	-	-	-	-	-	-	530	307	147	110
Engineering	47	59	72	85	21	50	56	47	327	247	354	455
Health Professions	-	-	-	-	-	-	-	-	153	340	402	400
Letters	-	-	-	-	529	403	432	450	447	205	158	132
Social Sciences	60	23	21	18	709	80°	945	912	709	374	365	319
Total, All Other	52	66	33	39	1236	1334	1324	1318	1093	1109	1135	1168
TOTAL, ALL DISCIPLINES	199	180	156	161	2516	2639	2783	2729	4211	3568	3909	4009

*Post (Junior) College became a four-year institution in 1975.

Four-year regional independent institutions awarded 45.9 percent of all bachelor's degrees in business and management in 1982-83, followed by the Connecticut State University with 34.4 percent of awards and the University of Connecticut with 19.0 percent. Growth in this discipline at the University of Connecticut is limited by a ceiling on the number of students who can enroll in programs in business and management.

The provision of education programs now rests almost entirely within the public sector, which awarded 87.0 percent of all such bachelor's degrees in 1982-83. The Connecticut State University alone conferred 75.4 percent of all such awards. In 1982-83, education degrees represented 19.0 percent of all bachelor's degrees conferred by the Connecticut State University, compared to 45.9 percent in 1973-74. The Connecticut State University awarded more bachelor's degrees in business and management than education for the first time in 1981-82.

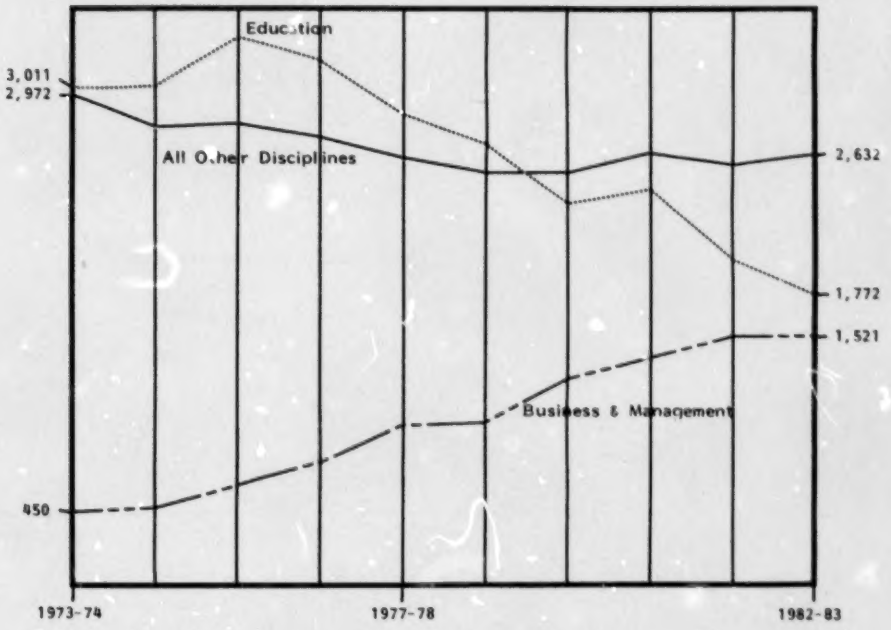
Master's Degrees (Including Sixth Year Certificates and all other intermediate post-baccalaureate awards)

At the master's level of study, shifts also have occurred (Figure 6).

FIGURE 6

MASTER'S DEGREES AWARDED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION IN SELECTED DISCIPLINES

1973-74 TO 1982-83



Until 1975-76, the number of awards in both education and business and management increased. Since 1975-76 when awards in education peaked at 3,337, however, the number of degrees conferred in this discipline has declined substantially to the current level of 1,772 in 1982-83, a drop of 46.9 percent. In contrast, awards in business and management continued to increase to their 1981-82 level of 1,522 but for the first time there was no increase from a prior year (1,521 awards in 1982-83). Education and business and management together dominate graduate education with 55.6 percent of all awards at this level of study in 1982-83. Ten years earlier, awards in education alone constituted almost half (46.8%) of all masters degrees, a proportion that had shrunk to 29.9 percent by 1982-83.

Table 5 shows the effects of changing enrollment by program and type of institution. As at the bachelor's level, the most significant changes have occurred at the Connecticut State University and the four-year regional independent institutions. The latter institutions have shifted from a concentration in education a decade ago (58.7% of all awards in 1973-74) to a concentration in business and management (46.1% of all awards) in 1982-83.

At the Connecticut State University, the addition of business programs has been more recent. In 1982-83, 75.7 percent of awards were still in education while only 2.6 percent were in business and management. In addition to the significant decline in the number of awards in education noted above, the number of awards in other disciplines also has been declining at the Connecticut State University (252 in 1982-83 compared to 520 in 1977-78). The Connecticut State University awarded 19.1 percent fewer advanced degrees in 1982-83 than one year earlier and only about half as many as were awarded five years earlier.

The University of Connecticut is less dependent on education and business and management although together these fields comprised 51.5 percent of all awards at this level of study in 1982-83. In contrast, education and business constituted only 18.5 percent of awards at the national independent institutions.

TABLE 5

MASTER'S* DEGREES AWARDED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION BY TYPE OF INSTITUTION AND SELECTED DISCIPLINE FOR SELECTED YEARS

	University of Connecticut				Connecticut State University			
Discipline	73-74	77-78	81-82	82-83	73-74	77-78	81-82	82-83
Business and Management	135	323	353	341	-	-	24	31
Education	345	411	294	267	1547	1523	1071	883
Total, All Other	558	563	517	572	410	520	346	252
TOTAL, ALL DISCIPLINES	1038	1297	1164	1180	1957	2043	1441	1166

	Four-Year National Independent Institutions				Four-Year Regional Independent Institutions			
Discipline	73-74	77-78	81-82	82-83	73-74	77-78	81-82	82-83
Business and Management	33	57	139	146	282	596	1006	1003
Education	31	115	106	114	1089	820	500	508
Total, All Other	1518	1069	1074	1142	485	456	616	666
TOTAL, ALL DISCIPLINES	1582	1241	1319	1402	1856	1872	2122	2177

*Includes Sixth Year Certificates and all other intermediate post-baccalaureate awards.

Doctoral Degrees

The number of doctoral degrees conferred has declined slightly over the ten-year period, from 577 awards in 1973-74 to 470 awards in 1982-83. Almost all degrees (93.6% in 1982-83) were conferred by Yale University or the University of Connecticut. In 1982-83, the number of awards in engineering and the physical sciences increased (+14 and +21, respectively) from the previous year while awards in other disciplines remained stable or dropped slightly. The total number of awards in each discipline remained small, however.

First-Professional Awards

The University of Connecticut, Yale University, the University of Bridgeport and Hartford Seminary granted 886 first-professional awards in 1982-83. Most were in law (546 or 61.6%), followed by medicine and dentistry (223 or 25.2%) and theology (117 or 13.2%). The total number of first-professional awards has increased steadily from 574 in 1973-74. The number of first-professional awards in dentistry, medicine and theology has remained stable in recent years, while the number of awards in law has risen, due to the addition of a first-professional law program at the University of Bridgeport.

III. AWARDS BY GENDER

Women received 52.8 percent of all awards in 1982-83, compared to 52.6 percent one year earlier. Women systematically have increased their representation at all levels of award during the last decade, but little change is now occurring. Women currently receive over half of the awards at all levels below the doctorate, and one-third each of doctoral and first-professional degrees (Table 6).

TABLE 6

PROPORTION OF DEGREES CONFERRED TO WOMEN BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION BY LEVEL FOR SELECTED YEARS

	Certificates One Year or More	Associates	Bachelor's	Master's	Doctoral	First-Professional	Total
1982-83	57.6%	57.4%	53.2%	51.4%	33.0%	36.4%	52.8%
1981-82	59.2%	60.6%	51.4%	51.5%	34.2%	34.3%	52.6%
1977-78	50.5%	50.3%	48.6%	51.0%	29.0%	30.2%	48.7%
1973-74	17.9%	46.4%	45.1%	47.9%	22.5%	14.1%	44.6%

Table 7 shows awards by discipline and gender for 1982-83. At the bachelor's level, the largest number of degrees conferred to women in 1982-83 was in business and management (1,349 or 43.4% of awards in this discipline), widening the gap over education for the third consecutive year. Women received 84.2 percent (715) of all bachelor's degrees in education and 73.9 percent (1,339) of all such master's degrees.

Women continue to dominate the fields of education, health services and home economics at levels of study below the doctorate. They are most underrepresented in the fields of engineering, computer and information sciences and physical sciences.

TABLE 7

DEGREES CONFERRED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION BY DISCIPLINE, LEVEL AND GENDER 1982-83

Discipline (HEGIS Category)	Certificates One Year or More			Associates		
	Men	Women	Total	Men	Women	Total
Arts and Science or General Programs	3	2	5	1011*	908*	1919
Business and Commerce Technologies	17	47	64	476	1133	1609
Data Processing Technologies	4	9	13	217	247	464
Health Services and Paramedical Technologies	1	64	65	43	619	662
Mechanical and Engineering Technologies	75	16	91	592	64	656
Natural Science Technologies	20	17	37	20	14	34
Public Service Related Technologies	3	12	15	127	358	485
TOTAL	123	167	290	2486	3343	5829
Percent of Gender Category, All Levels of Award	1.0%	1.2%	-	19.7%	23.7%	-

*Includes 431 and 28 associates degrees, respectively, awarded by Mohegan Community College to program completers at the U. S. Submarine Base (Navy Campus for Achievement) in Groton and reported for the first time in 1982-83.

Discipline (HEGIS Category)	Bachelor's			Master's			Doctoral		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
Agriculture and Natural Resources	63	61	124	58	31	89	6	-	6
Architecture and Environmental Design	19	20	39	38	15	53	-	-	-
Area Studies	82	110	192	6	11	17	6	4	10
Biological Sciences	309	327	636	69	67	136	43	24	67
Business and Management	1757	1349	3106	1059	462	1521	1	2	3
Communications	135	179	314	35	45	80	-	-	-
Computer and Information Sciences	164	84	248	110	41	151	6	1	7
Education	134	715	849	463	1309	1772	29	33	62
Engineering	939	98	1037	200	20	220	31	1	32
Fine and Applied Arts	207	405	612	146	125	271	18	11	29
Foreign Languages	48	168	216	14	24	38	16	13	29
Health Professions	108	731	839	57	215	272	3	6	9
Home Economics	8	148	156	7	28	35	-	1	1
Law	1	16	17	21	17	38	2	-	2
Letters	354	573	927	39	67	106	30	16	46
Library Science	-	3	3	12	54	66	-	-	-
Mathematics	103	90	193	17	21	38	8	3	11
Physical Sciences	197	85	282	56	14	70	55	8	63
Psychology	173	517	690	60	98	158	10	12	22
Public Affairs and Services	123	188	311	104	197	301	-	-	-
Social Sciences	1073	885	1958	129	69	198	46	19	65
Theology	-	-	-	38	36	74	4	-	4
Interdisciplinary Studies	238	325	563	6	7	13	1	1	2
Master of Philosophy	-	-	-	133	75	208	-	-	-
TOTAL	5235	7077	13312	2877	3048	5925	315	155	470
Percent of Gender Category, All Levels of Award	49.5%	50.1%	-	22.8%	21.6%	-	2.5%	1.1%	-

Discipline (HEGIS Category)	First-Professional		
	Men	Women	Total
Dentistry	33	8	41
Law	343	203	546
Medicine	125	57	182
Theology	62	55	117
TOTAL	563	323	886
Percent of Gender Category, All Levels of Award	4.5%	2.3%	-

IV. AWARDS BY MINORITY STATUS

Data on awards by minority status first were collected in 1975-76 and then biannually from 1978-79 to 1982-83. Minority students (defined as all non-white United States residents) received 6.3 percent of all awards in 1982-83, compared to 5.6 percent in 1980-81 (Table 8). In 1982-83, minorities were represented best at the first-professional level, receiving 8.2 percent of all such awards, and represented least at the doctoral level (4.0%). Blacks were the best represented ethnic category at all degree levels in 1982-83 except at the doctoral level, where Hispanics and Asians had higher representation. It should be noted that the higher the degree level the wider the geographic base from which minority students are usually recruited. Associate degree recipients are highly likely to be Connecticut residents, while doctoral and first-professional degree recipients, especially in the national independent institutions, are less likely to be Connecticut residents.

TABLE 8

PROPORTION OF DEGREES CONFERRED TO MINORITY STUDENTS
BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION
BY LEVEL FOR SELECTED YEARS

	Certificates One Year or More	Associates	Bachelor's	Master's	Doctoral	First-Professional	Total	Minorities* as Percent of Connecticut Population
1982-83	6.2%	7.8%	5.8%	5.6%	4.0%	8.2%	6.3%	12.0%
Black, Non-Hispanic	(3.1%)	(4.8%)	(3.1%)	(2.6%)	(1.0%)	(4.1%)	(3.4%)	(6.8%)
American Indian	(0.4%)	(0.2%)	(0.4%)	(0.3%)	(0.2%)	(0.4%)	(0.3%)	(0.2%)
Asian or Pacific Islander	(1.0%)	(0.9%)	(1.2%)	(1.4%)	(1.3%)	(1.2%)	(1.2%)	(0.6%)
Hispanic	(1.7%)	(1.9%)	(1.1%)	(1.3%)	(1.5%)	(2.5%)	(1.4%)	(4.0%)
1980-81	8.6%	7.2%	5.0%	4.9%	5.6%	7.3%	5.6%	-
1978-79	5.2%	8.1%	4.6%	3.4%	5.0%	8.6%	5.2%	-
1975-76	14.4%	6.8%	4.6%	3.8%	2.9%	7.2%	4.9%	-

*Includes non-resident aliens who belong to ethnic minority groups. Hispanics were not considered a separate ethnic category by the Census Bureau in 1980, but data were tabulated as to which racial categories Hispanics belong. These numbers were extracted from the various ethnic categories and then aggregated to create a Hispanic category. The percentages for the ethnic categories in the table will not add to the 1980 percentage for Connecticut (12.0%) because the category of "Other" (0.4%) is not included in this table.

Table 9 shows awards by discipline, level and minority status for 1982-83. Data were collected under a different discipline structure beginning in 1982-83, thus precluding direct comparison with similar tables in previous years and to other tables in this report. Minorities were represented best at the associates degree level in marketing and distribution (10.6%), at the bachelor's degree level in public affairs (15.0%), at the master's degree level in protective services (22.7%), at the doctoral degree level in theology (25.0%, N=1) and at the first-professional award level in health sciences (12.1%). Overall, minority students had the highest representation in the disciplines of vocational home economics (15.4%) and protective services (13.0%). The discipline of vocational home economics consists of only certificates and associates degree programs, however.

V. SUPPLEMENTAL DATA

A supplement is available upon request to the Department of Higher Education which displays awards in two ways: (1) by institution, Higher Education General Information Survey (HEGIS) program and level of award and (2) by HEGIS program, institution and level of award.

This report was prepared by Persis C. Rickes, Staff Assistant, Research, Connecticut Department of Higher Education.

TABLE 9

DEGREES CONFERRED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION BY DISCIPLINE, LEVEL AND MINORITY STATUS 1982-83

Discipline* (CIP Code)	Certificates More Than One Year		Associates		Bachelor's		Master's	
	Minority	Non-Minority	Minority	Non-Minority	Minority	Non-Minority	Minority	Non-Minority
01 Agribusiness and Agricultural Production	-	34	-	-	-	10	-	1
02 Agricultural Sciences	-	-	-	-	1	74	1	8
03 Renewable Natural Resources	-	-	-	-	-	[illegible]	1	78
04 Architecture and Environmental Design	-	-	-	13	6	[illegible]	2	51
05 Area and Ethnic Studies	-	-	-	-	10	176	3	19
06 Business and Management	-	1	-	15	139	2721	83	1454
07 Business and Office	2	57	18*	1030	1	15	-	-
08 Marketing and Distribution	-	-	5	163	4	186	-	-
09 Communications	-	-	-	2	32	282	1	79
10 Communication Technologies	-	-	3	55	-	-	-	-
11 Computer and Information Sciences	-	-	-	-	8	397	5	128
13 Education	-	-	1	19	47	902	97	1686
14 Engineering	-	-	-	-	58	962	5	229
15 Engineering and Engineering-Related Technologies	-	2	51	775	2	47	-	-
16 Foreign Languages	-	-	-	-	25	190	4	34
17 Allied Health	6	57	22	312	7	205	1	23
18 Health Sciences	-	-	22	378	18	630	47	238
19 Home Economics	-	-	1	2	9	148	-	37
20 Vocational Home Economics	2	8	18	102	-	-	-	-
22 Law	-	-	3	94	2	15	1	37
23 Letters	-	-	-	-	40	785	-	58
24 Liberal/General Studies**	-	3	17	1782	20	202	-	6
25 Library and Archival Sciences	1	3	-	7	-	5	2	55
26 Life Sciences	-	-	-	-	45	585	8	128
27 Mathematics	-	-	-	-	11	184	1	37
30 Multi/Interdisciplinary Studies	-	-	-	-	22	320	-	5
31 Parks and Recreation	-	-	1	34	4	39	1	6
36 Leisure and Recreational Activities	-	-	-	12	-	-	-	-
38 Philosophy and Religion	-	-	-	-	8	121	-	27
39 Theology	-	-	-	-	-	-	2	72
40 Physical Sciences	-	-	-	-	17	244	1	69
41 Science Technologies	-	-	2	1	-	-	-	-
42 Psychology	-	-	-	-	45	629	10	146
43 Protective Services	-	3	11	108	22	127	5	17
44 Public Affairs	-	1	4	17	19	108	27	251
45 Social Sciences	-	1	-	3	119	1839	9	172
47 Mechanics and Repairers	4	36	-	1	-	-	-	-
48 Precision Production	3	48	1	7	-	-	-	-
49 Transportation and Material Moving	-	5	1	2	-	-	-	-
50 Visual and Performing Arts	-	13	1	43	32	571	16	255
85 Master of Philosophy	-	-	-	-	-	-	16	192
TOTAL	18	272	454	5375	779	12533	329	5596
Percent of Minority or Non-Minority, All Levels of Award	1.1%	1.1%	27.1%	21.5%	46.6%	50.1%	19.7%	22.3%

Discipline* (CIP Code)	Doctoral		First-Professional		Total			
	Minority	Non-Minority	Minority	Non-Minority	Minority	Percent Minority	Non-Minority	Grand Total
01 Agribusiness and Agricultural Production	-	-	-	-	-	-	45	45
02 Agricultural Sciences	-	-	-	-	2	2.4%	82	84
03 Renewable Natural Resources	-	6	-	-	1	0.8%	123	124
04 Architecture and Environmental Design	-	-	-	-	8	7.0%	107	115
05 Area and Ethnic Studies	1	9	-	-	21	8.9%	204	224
06 Business and Management	-	3	-	-	222	5.0%	4258	4480
07 Business and Office	-	-	-	-	172	10.3%	1502	1674
08 Marketing and Distribution	-	-	-	-	9	2.7%	329	338
09 Communications	-	-	-	-	33	8.3%	363	396
10 Communication Technologies	-	-	-	-	3	5.2%	55	58
11 Computer and Information Sciences	-	4	-	-	13	3.8%	325	338
13 Education	1	61	-	-	146	5.4%	2568	2714
14 Engineering	1	34	-	-	64	5.0%	1225	1289
15 Engineering and Engineering-Related Technologies	-	-	-	-	53	6.0%	825	878
16 Foreign Languages	2	27	-	-	31	11.0%	251	282
17 Allied Health	-	-	-	-	36	5.8%	601	637
18 Health Sciences	-	13	27	196	94	6.1%	1445	1539
19 Home Economics	-	1	-	-	10	5.0%	188	198
20 Vocational Home Economics	-	-	-	-	20	15.0%	110	130
22 Law	-	2	41	505	47	6.7%	653	700
23 Letters	-	36	-	-	40	4.4%	869	909
24 Liberal/General Studies**	-	-	-	-	158	7.4%	1971	2129
25 Library and Archival Sciences	-	-	-	-	3	4.1%	70	73
26 Life Sciences	3	64	-	-	56	6.7%	777	833
27 Mathematics	-	11	-	-	12	5.0%	230	242
30 Multi/Interdisciplinary Studies	-	7	-	-	22	6.3%	327	349
31 Parks and Recreation	-	-	-	-	6	7.0%	79	85
36 Leisure and Recreational Activities	-	-	-	-	-	-	12	12
38 Philosophy and Religion	-	16	-	-	8	4.8%	164	172
39 Theology	1	3	8	113	9	4.1%	187	196
40 Physical Sciences	1	62	-	-	19	4.8%	375	394
41 Science Technologies	-	-	-	-	2	10.0%	18	20
42 Psychology	-	22	-	-	55	6.4%	797	852
43 Protective Services	-	-	-	-	38	13.0%	255	293
44 Public Affairs	-	-	-	-	50	11.7%	377	427
45 Social Sciences	7	58	-	-	135	6.1%	2073	2208
47 Mechanics and Repairers	-	-	-	-	4	9.8%	37	41
48 Precision Production	-	-	-	-	4	6.8%	55	59
49 Transportation and Material Moving	-	-	-	-	1	12.5%	7	8
50 Visual and Performing Arts	2	37	-	-	51	5.3%	909	960
85 Master of Philosophy	-	-	-	-	16	7.7%	192	208
TOTAL	19	451	73	813	1672	6.3%	25040	26712
Percent of Minority or Non-Minority, All Levels of Award	1.1%	1.8%	4.4%	3.3%	100%	-	100%	-

*Disciplines in which no degrees were conferred have been excluded.
**Includes associates degrees awarded by Mohegan Community College to 13 minority completers and 446 non-minority completers at the U.S. Submarine Base (Navy Campus of Achievement) in Groton and reported for the first time in 1982-83.